

IN THE ABSTRACT

Please enter the following Replacement Abstract for the original Abstract contained in the filed application.

---Abstract of the Disclosure

An electromechanical filter capable of achieving overall miniaturization by employing a micro oscillator such as a carbon nanotube with superior conductivity so as to enable selection of signals of a predetermined frequency. The apparatus includes an inner wall composed of a carbon nanotube that changes physically as a result of an input signal, and an outer wall composed of a carbon nanotube arranged so as to cover the inner wall and spaced by a microscopic gap from the inner wall. The outer wall detects an oscillation of the inner wall when a signal of a predetermined frequency is inputted from a connected signal input side electrode to the inner wall, so that this signal is outputted via a connected signal output side electrode.---